



- ❑ L1: (161924) "455"/\$.cls. or "370"/\$.cls.
- ❑ L2: (11231) 1 and (WLAN or "wireless LAN" or "wireless local area network")
- ❑ L3: (5569) 2 and "access point"
- ❑ L4: (2984) 3 and server
- ❑ L5: (360) 4 and ("service set identifier" or SSID)
- ❑ L6: (58) 5 and ("wireless NIC" or "wireless network interface")
- ❑ L7: (32) 6 and "IP address"
- ❑ L8: (3) 7 and "portable device"
- ❑ L9: (26) 7 and (portable or mobile)
- ❑ L10: (3) 7 and (portable or mobile)
- ❑ L11: (2) 9 and (new near5 device)
- ❑ L12: (26433) WLAN or "wireless LAN" or "wireless local area network"
- ❑ L13: (890) 12 and ("service set identifier" or SSID)
- ❑ L14: (134) 13 and ("wireless NIC" or "wireless network interface")
- ❑ L15: (71) 14 and "IP address"
- ❑ L16: (71) 15 and "access point"
- ❑ L17: (6) 16 and (portable or mobile)
- ❑ L18: (35) 13 and ("wireless NIC" or "wireless network interface").clm.
- ❑ L19: (7) 18 and ("service set identifier" or SSID).clm.
- ❑ L20: (2) 19 and "IP address".clm.
- ❑ L21: (1) 20 and "access point".clm.

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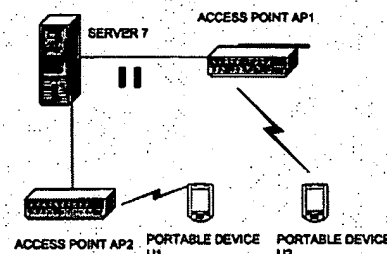
United States  
Patent Application Publication  
Ko et al.

Pub. No. US 2005/0025103 A1  
Pub. Date Feb. 3, 2005

Foreign Application Priority Date  
Aug. 31, 2003 (TW) 92223310

Publication Classification  
Int. Cl.<sup>7</sup> H04W 72/04  
U.S. Cl. 709/227

ABSTRACT  
The present invention discloses a server automatically identifying a new joining portable device in a wireless local area network (WLAN) and providing the new joining portable device with a new identification number, thereby the portable device can temporarily access the wireless LAN and access the network from the server.



	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current Ref	Inventor	S
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 20050025103 A1	20050203	11	Automatic recognition system for use in a wireless local area	370/338	370/431; 709/227	Ko, Ming-Chih et al.	<input checked="" type="checkbox"/>

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- ☒ L7: (32) 6 and "IP address"
- ☒ L8: (3) 7 and "portable device"

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United States  
 Patent Application Publication  
 No. et al.

(40) Pub. No.: US 2005/0025103 A1  
 (43) Pub. Date: Feb. 3, 2005

(54) AUTOMATIC RECOGNITION SYSTEM FOR  
 USE IN A WIRELESS LOCAL-AREA  
 NETWORK (WLAN)

(75) Foreign Application Priority Data  
 M. 31, 2003 (75) 00121218

(76) Inventors: Ming-Chih Ko, David Randolph (TW);  
 Bhagwat Pravin (TW)

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(21) Appl. No.: 09/416401

(22) Filed: Apr. 1, 2004

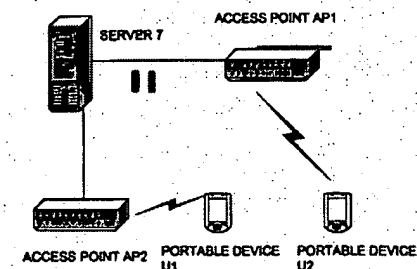
(57) Publication Classification

(51) Int. Cl.<sup>7</sup> H04L 12/28

(52) U.S. Cl. 726.308, 726.309, 726.310

(53) ABSTRACT

The present invention discloses a server automatically detecting a new wireless portable device in a wireless local area network (WLAN) and providing the new joining portable device with a new identification number. Similarly, the portable device can automatically receive the wireless LAN and obtain the wireless LAN ID number.



	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current	Ret	Inventor	S
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20060068799 A1	20060330	14	Open-host wireless access system	455/450	455/552.1		Morton; David Randolph et al.	F
2	<input type="checkbox"/>	<input type="checkbox"/>	US 20060002331 A1	20060105	31	Automated sniffer apparatus and method for wireless local	370/328			Bhagwat; Pravin et al.	F
3	<input type="checkbox"/>	<input type="checkbox"/>	US 20050025103 A1	20050203	11	Automatic recognition system for use in a wireless local area	370/338	370/431; 709/227		Ko, Ming-Chih et al.	F

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current Ret	Inventor	S
1	<input type="checkbox"/>	<input type="checkbox"/>	US 7133670 B1	20061107	19	Roaming agreement application and database for c	455/432.1	370/494; 455/432.3;	Moll, Keith et al.	F
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7042852 B2	20060509	34	System and method for wireless LAN dynamic chann	370/310	370/277; 370/329;	Hrastar, Scott	F
3	<input type="checkbox"/>	<input type="checkbox"/>	US 7002943 B2	20060221	51	Method and system for monitoring a selected region o	370/338		Bhagwat, Pravin et al.	F

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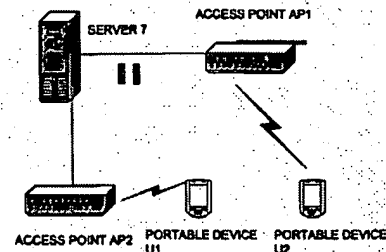
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United States  
Patent Application Publication (44) Pub. No.: US 2005/0025103 A1  
Ko et al. (44) Pub. Date: Feb. 3, 2005

(54) AUTOMATIC RECOGNITION SYSTEM FOR USE IN A WIRELESS LOCAL AREA NETWORK (57) Foreign Application Priority Data  
 (73) Inventor: Ming-Chih Ko, Taipei (TW)  
 (72) Inventor: Ming-Chih Ko, Taipei (TW)  
 (71) Applicant: MICROSIG, INC.  
 (51) Int. Cl. G06F 12/00 (2006.01)  
 (52) U.S. Cl. 709/227 (2006.01)  
 (53) Field of Invention: NETWORKS  
 (54) Title: AUTOMATIC RECOGNITION SYSTEM FOR USE IN A WIRELESS LOCAL AREA NETWORK  
 (57) Abstract: The present invention discloses a system for automatically identifying a user's portable device in a wireless local area network (WLAN) and providing the user's portable device with a user identification number (ID) for use in the WLAN. The system includes a server and a portable device. The server is configured to store a list of user identification numbers (IDs) and a list of user names. The portable device is configured to send a request to the server to obtain a user identification number (ID) and a user name. The server responds to the request by sending the user identification number (ID) and the user name to the portable device. The portable device then uses the user identification number (ID) and the user name to identify itself to the server.



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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current Ret	Inventor	S
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20070025306 A1	20070201	13	Method and system for dynamic assignment of wirele	370/338	370/401	Cox, Brian et al.	F
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 20050025103 A1	20050203	11	Automatic recognition system for use in a wireless local area	370/338	370/431; 709/227	Ko, Ming-Chih et al.	F

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16 and (portable or mobile)

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current	Ref	Inventor	S
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7086089 B2	20060801	31	Systems and methods for network security	726/22	726/13; 726/7		Hrastar, Scott et al.	<input checked="" type="checkbox"/>
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7058796 B2	20060606	30	Method and system for actively defending a wireless	713/1	380/270; 713/168		Lynn, Michael T. et al.	<input checked="" type="checkbox"/>
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7042852 B2	20060509	34	System and method for wireless LAN dynamic chan	370/310	370/277; 370/329;		Hrastar, Scott	<input checked="" type="checkbox"/>
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6961762 B1	20051101	13	Automatic switching network points based on configuration	709/221	709/220; 709/222		Yeap, Yuen-Pin et al.	<input checked="" type="checkbox"/>

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